	Application No.	Applicant(s)
Notice of Allowability		
	10/785,310 Examiner	FORBES, LEONARD Art Unit
,	Laminer	Artonic
	Tu-Tu Ho	2818
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS
1. X This communication is responsive to Amendment filed 12/2	<u>22/2005</u> .	
2. ☑ The allowed claim(s) is/are <u>1-40</u> .		
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Application No	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply MENT of this application.	complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO	-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the CAL MATERIAL.
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	
3. ⊠ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Da 08), 7. ☐ Examiner's Amend	
Paper No./Mail Date 12/22/2005 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		ent of Reasons for Allowance
		Tu-Tu Ho Jan. 11, 2006

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DETAILED ACTION

1. Applicant's Amendment filed 12/22/2005 has been reviewed and placed of record in the file.

Allowable Subject Matter

2. Claims 1-40 are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach or render obvious a memory device and a method of forming thereof having all exclusive limitations as recited in claims 1, 4, 7, 13, 14, 15, 25, 27, and 40, comprising a substrate, an NROM memory cell, and a select gate; the substrate having two pillars and a trench therebetween, the NROM memory cell formed vertically on a first sidewall of the trench, the select gate formed on a second sidewall of the trench, the select gate coupled to the NROM memory cell by a first source/drain region (S/D region) formed at the bottom of the trench; wherein the device and method thereof is further characterized in that the memory device comprises a NOR architect NROM memory array including said trench; or in that the device and method thereof further includes a word line (WL), a select line (SL), a first bitline (BL1) and a second bitline (BL2), the WL coupled to a control gate of the NROM memory cell, the SL coupled to a control gate of the select gate, and the BL2 coupled to a S/D of the NROM memory cell.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

January 11, 2006